

WHAT IS CLAIMED IS:

1. A disc drive head positioning suspension comprising:
a base;
5 a load beam extending in a first plane having a first end and a second end, a longitudinal axis extending between the first end and the second end of the load beam, and a transverse axis extending perpendicular to the longitudinal axis within the first plane; and
a bend section connecting the base to the second end of the load beam, the
10 bend section including a transverse axis aligned parallel to the transverse axis of the load beam, and a longitudinal axis parallel to the load beam longitudinal axis;
wherein the bend section comprises a plate having a width and a rail extending along the plate parallel to the transverse axis of the bend section, and wherein the rail extends out of the first plane.
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2. The suspension of claim 1 wherein the rail extends in two different planes.
3. The suspension of claim 1 wherein the rail has a width, a thickness, and a length, and wherein the width of the rail is substantially similar to the width of the
20 base plate.
4. The suspension of claim 2 wherein the bend section rail extends in a direction substantially normal to the first plane.
- 25 5. The suspension of claim 4 wherein the bend section comprises a second rail, the first and second rails being separated in the longitudinal axis direction of the bend section, the rails forming an open channel.
6. The suspension of claim 5 wherein a cross-section of the open channel is
30 substantially U-shaped.

15. The suspension member of claim 13 wherein the second plane is at an angle less than 90° from the first plane.

5 16. The suspension member of claim 13 wherein the second plane is at an angle greater than 90° from the first plane.

17. The suspension member of claim 13 wherein a second rail is coupled to the plate wherein the second rail extends in a third plane wherein the third plane is
10 different than the first plane.

18. The suspension member of claim 17 wherein the second plane and third plane are curved.

15 19. A head suspension comprising:
a base;
a load beam; and
a bend section having a first end and a second end, the first end being coupled to the load beam and the second end being coupled to the base;
20 wherein the bend section comprises a plate extending in a first plane and a rail coupled to the plate wherein the rail extends in a second plane wherein the first plate is different from the first plane.

20. A suspension member comprising:
25 a base extending in a first plane;
a load beam extending in a first plane; and
means coupling the base and load beam for maximizing translational stiffness of the load beam in a direction out of the first plane while minimizing rotational stiffness of the load beam.

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